29 545 (1 of 24)

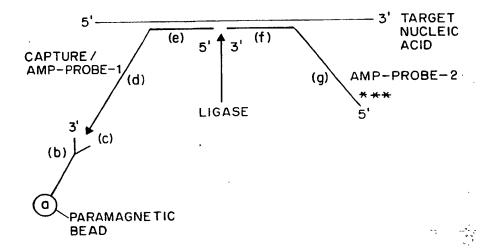
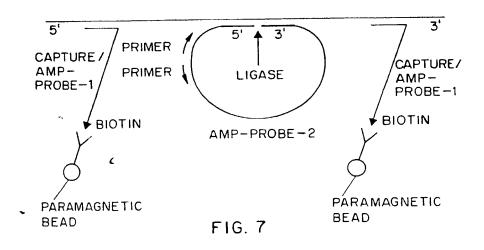


FIG. 1



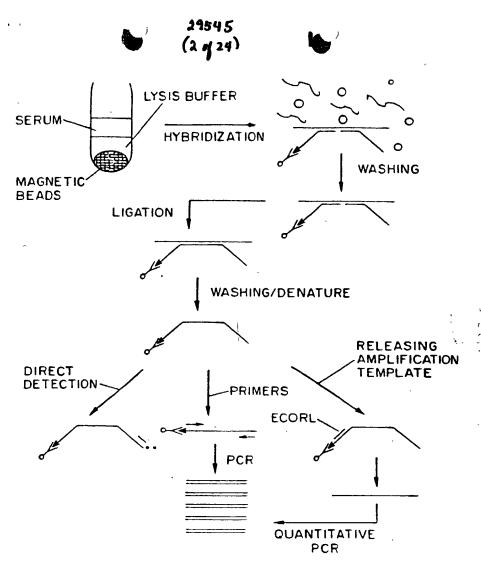


FIG. 2

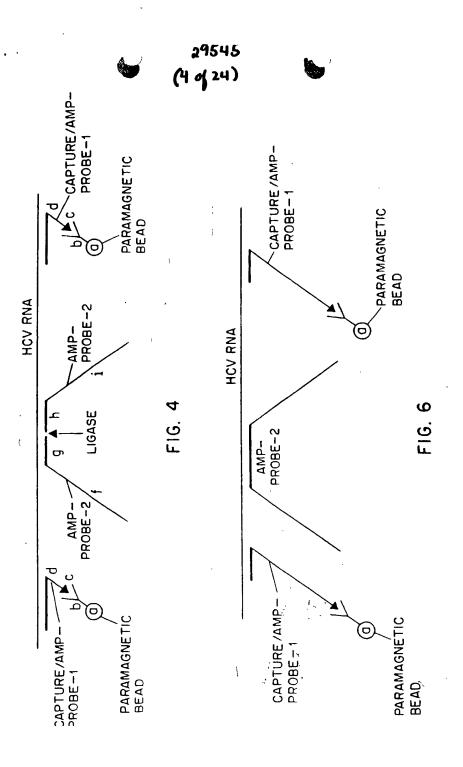


49545 (3of 24)





FIG.3



295 45 (5 of 24)

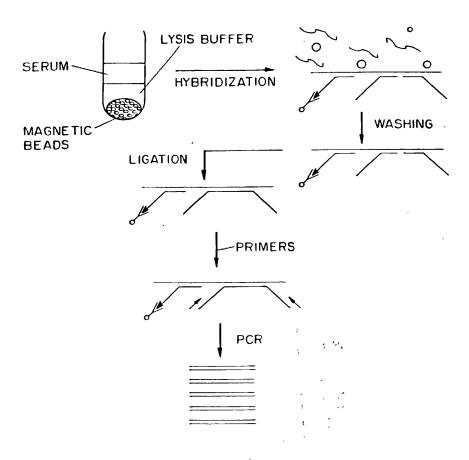
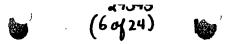


FIG. 5



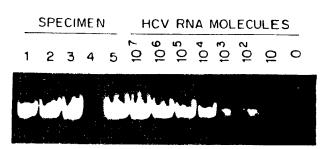
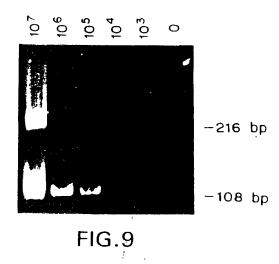


FIG.8



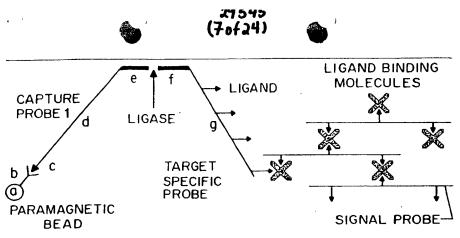


FIG. 10

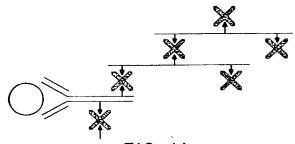


FIG. 11

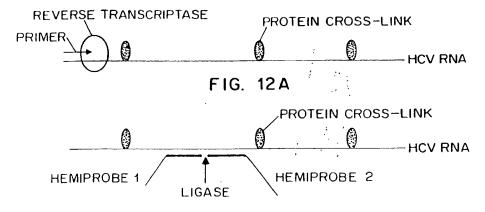
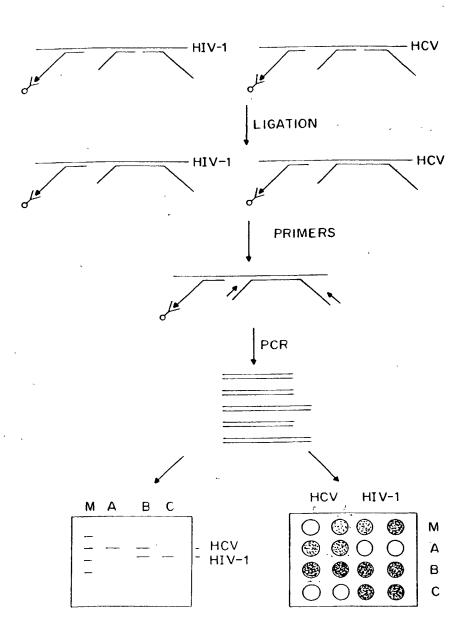


FIG. 12B





29545 (9 **4**24)

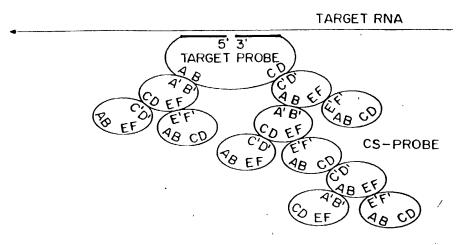


FIG. 14

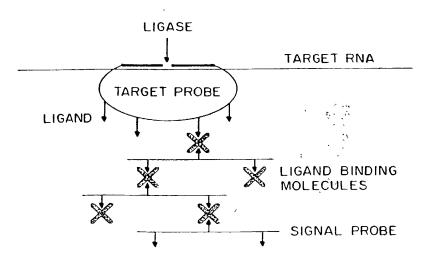
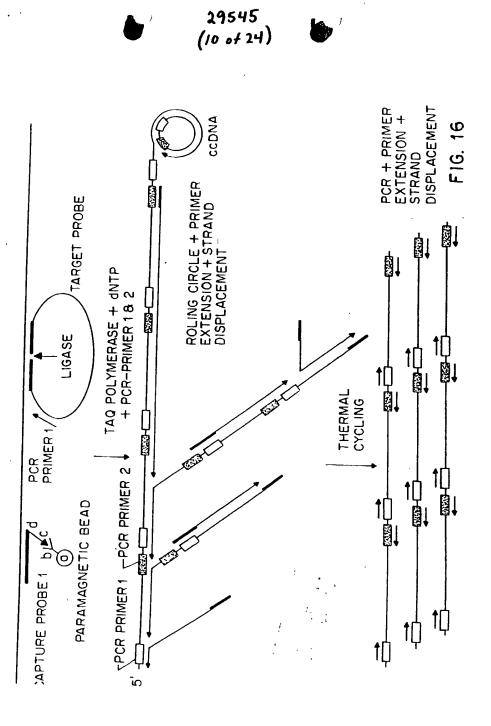
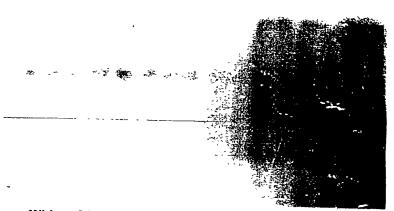


FIG. 15



29545 (11 of 24)

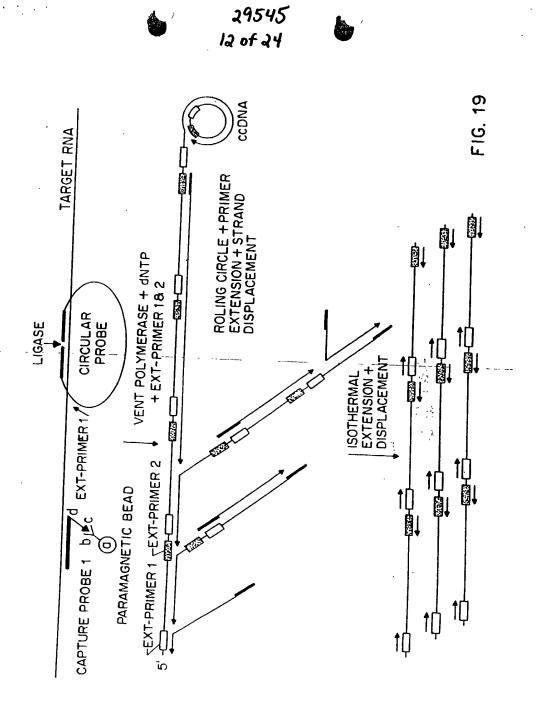




Without Ligation

With Ligation

FIG.18



29545 (130f 24)

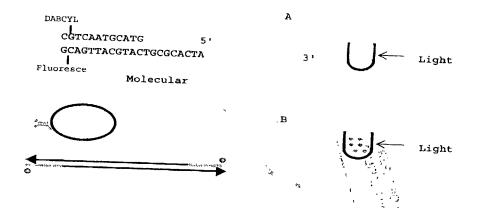
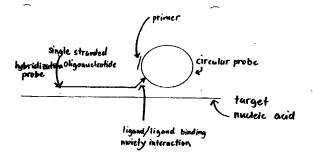


Fig. 20

19545 (140†24)



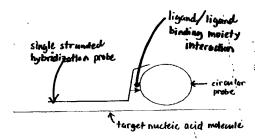
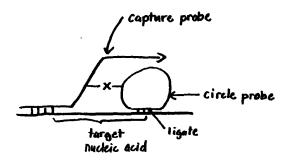
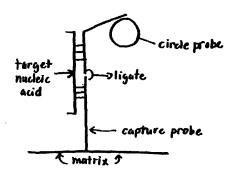


Figure 21 A-B

29545 (150+24)



21 C



210

Figure 21 C-D

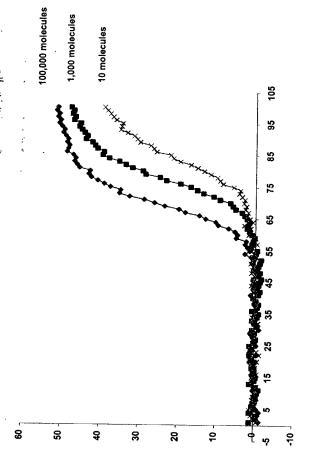


Figure 22

(tr1091) Sh56T

 ϕ 29 polymerase

Bst polymerase

Inhibition of biotin-avidin on RAM (Bst/P29)

B C-P + Avidin + S-P
Biotinylated-C-P
Biotinylated-C-P
B C-P + Avidin
B C-P + Avidin
A C-P
B C-P + Avidin

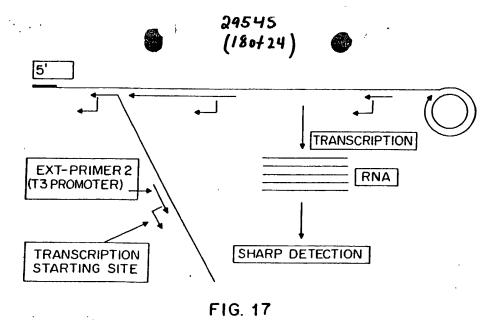
(HI totil)

C-b

Marker

B C-P + Avidin

Biotinylated-C-P



ROLING CIRCLE + PRIMER EXTENSION

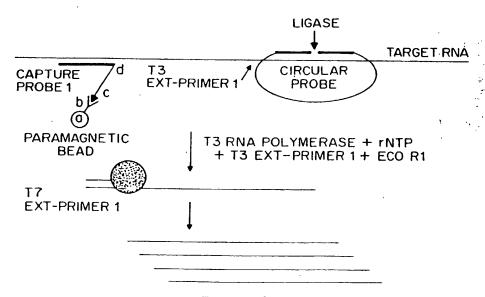
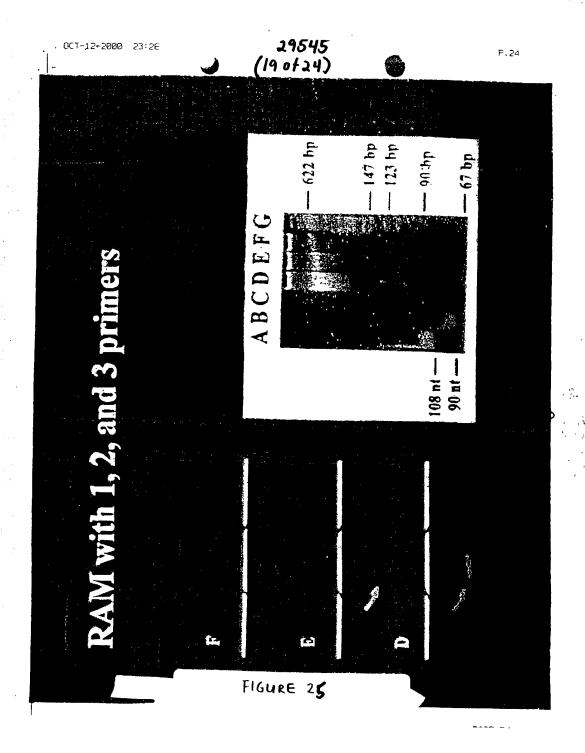


FIG. 24



UL1-12-2000 23.20

29545 (20 of 24)

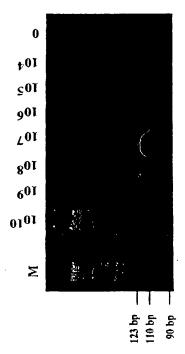


FiG.26

OCT 13 2000 11:3

PAGE. 25

OCT-12-2000 23:25

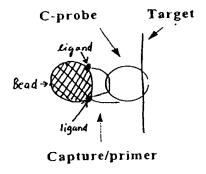
29545 (210f24)

Target DNA 5'
polymerase extension 5'
C-probe

FIG 27

PAGE 27

29545 (22 of 24)



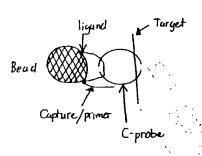


Figure 28

NCT 13 2000 11:37

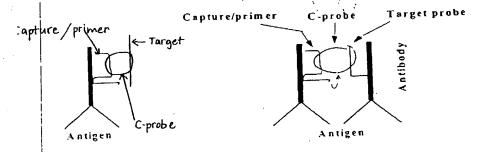
PAGE.28

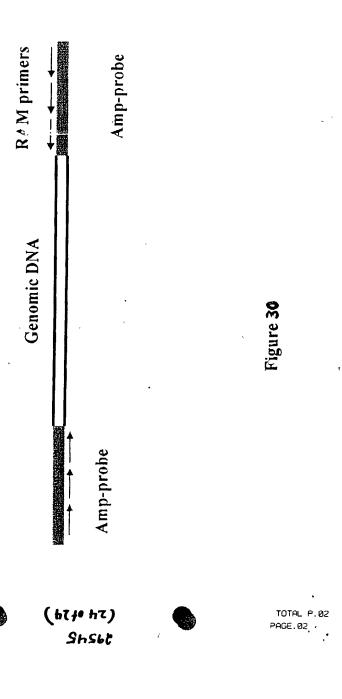
29545 (23 of 24)

OCT-12-2000 23:30

P 29

FIGURE 29





NOV 22 2000 13:07